



	PART DESCRIPTION	MATERIAL
①	SM2-16.5A	ANODIZED ALUMINIUM
②	AD524-A	N-BK7
		N-SF2
③	SM2R	ANODIZED ALUMINIUM



NOTES

1. MATERIAL: N-BK7/N-SF2
2. DESIGN WAVELENGTH: 486.1 nm, 587.6 nm & 656.3 nm
3. CLEAR APERTURE: >90%CA
4. OPERATION WAVELENGTH: 400 nm-700 nm
5. DIAMETER TOLERANCE: +0.0/-0.1 mm
6. THICKNESS TOLERANCE: ±0.2 mm
7. FOCAL LENGTH: 500.0 mm ±1%@587.6 nm
8. BACK FOCAL LENGTH(REF): 496.2 mm
9. SURFACE QUALITY (S/D) (S1,S2): 40/20
10. SURFACE POWER (S1,S2): $3\lambda/2@632.8\text{ nm}$
11. SURFACE IRREGULARITY(S1,S2): $\lambda/4@632.8\text{ nm}$
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING (S1,S2): AR COATING $R_{avg}<0.5\%@400\text{ nm}-700\text{ nm}$

DRAWING PROJECTION			LBTEK			
			MAD524-A			
DRAWN	BSHU	Aug./26th/24	$\phi 50.8\text{ mm}, F=500.0\text{ mm}$ ACHROMATIC DOUBLETS AR COATING 400-700 nm			
APPROVAL	WCHENG	Aug./26th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7/N-SF2	83.92g	2:1	B